

# MISSOURI DEPARTMENT OF TRANSPORTATION JOB OPPORTUNITY ANNOUNCEMENT

**Date Posted:** 09/09/2020  
**Application Deadline:** Open Until Filled  
**Job Post ID:** 13060  
**Job Title:** Highway Designer  
**Min Monthly Salary:** \$3,486.00  
**Number Positions:** 1  
**Location:** Central District Office - Jefferson City  
**District/Division:** Central District / Design Division  
**Human Resources Contact Number:** 573-751-3172  
**Remote work location and/or teleworking is not available for this position.**

## General Summary:

The highway designer is responsible for the determination of highway design features and performs computations for preparation of detailed construction plans for a portion of, or a complete, highway project. Responsibilities are performed under moderate supervision.

## Minimum/Required Qualifications:

Bachelor's Degree: Civil Engineering

## Supervisory Responsibilities:

Lead Worker Only

## Special Working Conditions/Job Characteristics:

Job may require occasional, statewide, overnight travel.

## Examples of Work:

- Designs projects, including but not limited to, bridge replacements and resurfacing utilizing engineering software; prepares reconnaissance and conceptual reports and other project correspondence, including but not limited to, environmental impact statements.
- Determines highway design features including geometrics, standards for highway functional classification, profile grades, typical sections, earthwork quantities, signals, signing and lighting, construction staging, traffic control, drainage, construction limits, exceptions to design standards, and safety improvements; uses computer aided drafting and design (CADD) system and other engineering software for computations and plan preparation.
- Assists in the development and review of detailed preliminary plans, right of way plans, and final plans for complex projects, including but not limited to, interchanges, urban, or major bridge projects; ensures plans are in accordance with current design standards, policies, specifications and practices.
- Computes quantities from standards and estimates costs for projects in all stages (preliminary to final) for the purpose of developing both short-term and long-term plans for construction.
- In conjunction with a Professional Land Surveyor, obtains and plots land and property lines on plans for survey notes and abstracts; computes areas; ties right of way points to centerlines; determines size and location easements.
- Addresses public concerns directly and/or indirectly, including, but not limited to, written correspondence, telephone, e-mail, public hearings and personal meetings.
- Determines highway design features such as highway grades, typical roadway sections, earthwork quantities, elevations, profiles, horizontal and vertical alignment, bridges, and functional classes in accordance to design

standards.

- Designs, codes, develops, supports, and configures engineering software applications to be used by the department's engineers and designers.
- Develops material for end users on department's engineering software applications and assists end users with software problems/issues.
- Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- Performs other responsibilities as required or assigned.

**In order to be considered for this vacancy please go to the Missouri Department of Transportation [Employment Application System \(EAS\)](#) and submit an on-line application. Applications, and if applicable transcripts, must be received by no later than 11:55 pm of the closing date listed on the advertised vacancy.**

**MoDOT is primarily conducting telephone interviews due to social distancing requirements at this time. For applicants being interviewed who are hearing or speech impaired and need assistance, we will coordinate with the Missouri Relay System.**

**Equal Employment Opportunity / Affirmative Action Employer, M/F/D/V**

**MoDOT does not hire individuals with F-1 OPT visas into full-time or permanent part-time positions and MoDOT does not sponsor applicants for work visas.**